

Spatial Planning in East Kalimantan

Opportunities for
Developing Technical and
Institutional Capacity

Outline

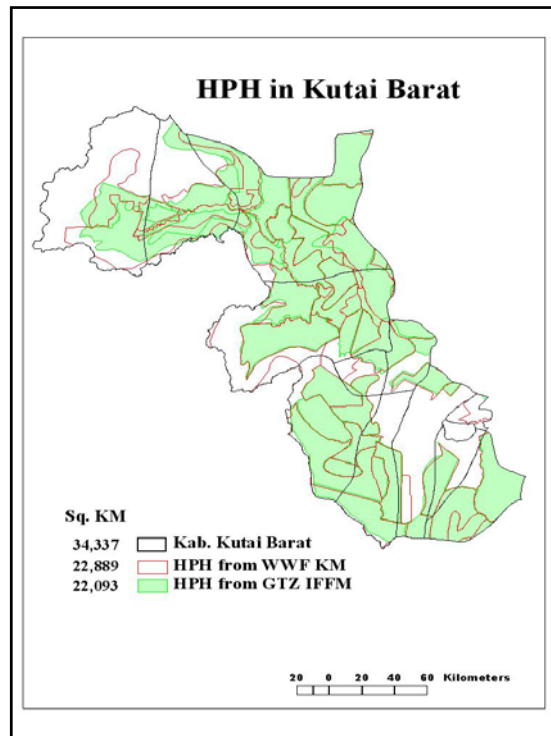
- NRM Issues in East Kalimantan
- Current Status of Spatial Planning in East Kalimantan
- Constraints to Effective Spatial Planning
- What's NRM Doing?

NRM Issues in East Kalimantan

- Depletion of forest resources
- Pollution in lakes and rivers
- Land degradation from mining and logging
- Land management conflicts
- Inequitable distribution of benefits from natural resources

Depletion of Forest Resources





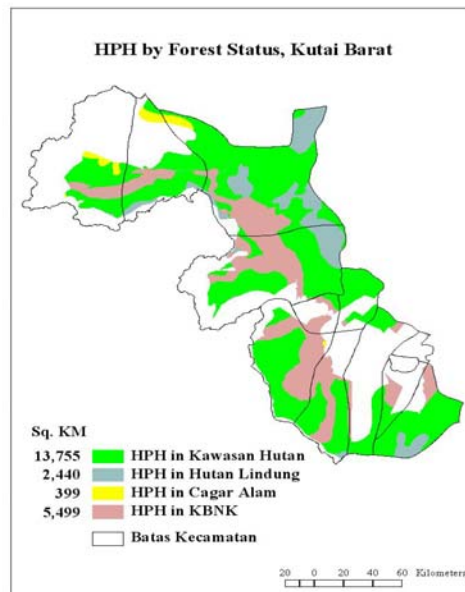
Pollution in Lakes and Rivers



Land Degradation from Mining and Logging



Land Management Conflicts



**Reduced Productivity – Inequitable
Distribution of Benefits**

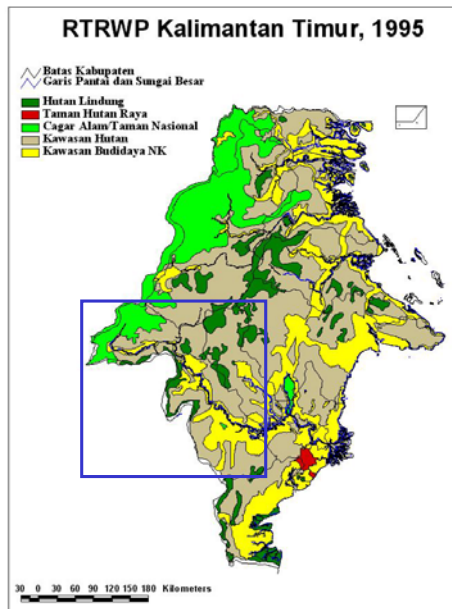


Many NRM problems and issues
related to weak spatial planning
capacity in the province

- How are the resources
distributed?
- Who manages them?
- Who has access to them?
- Who benefits from them?

Current Status of Spatial Planning East Kalimantan Province

- Produced new or revised plans in 1992, 1995, 1997 and 2000
- Most recent update being produced by consultants in Makassar
- Forest status map and land suitability analyses
- Some participatory mechanisms in place
 - Review workshops
 - Requests for written comments
 - Media coverage

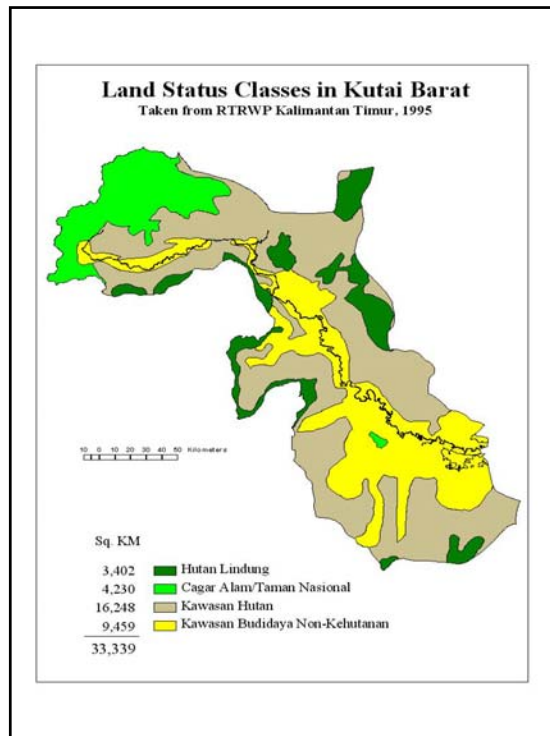


Current Status of Spatial Planning
Kutai District

- Prepared spatial plan in 1998 before Kutai split in three
- Produced by Consultants in Bandung
- Currently preparing detailed spatial plan for Mahakam delta
- Intend to update district spatial plan in 2001

Current Status of Spatial Planning
West Kutai District

- Published detailed spatial plan for town of Sendawar (Melak) in 2000
- Produced by consultants in Samarinda
- First general district spatial plan due December 2000
- Produced by consultants in Bandung



Evaluation

Promising Signs

- More open and inclusive
 - Review workshops
 - Requests for written comments
 - Consultant evaluation meeting
 - Media coverage
- More than just forest status
 - Land suitability analyses
 - Infrastructure needs
 - Adat claims
- Increasing activity in districts

But...

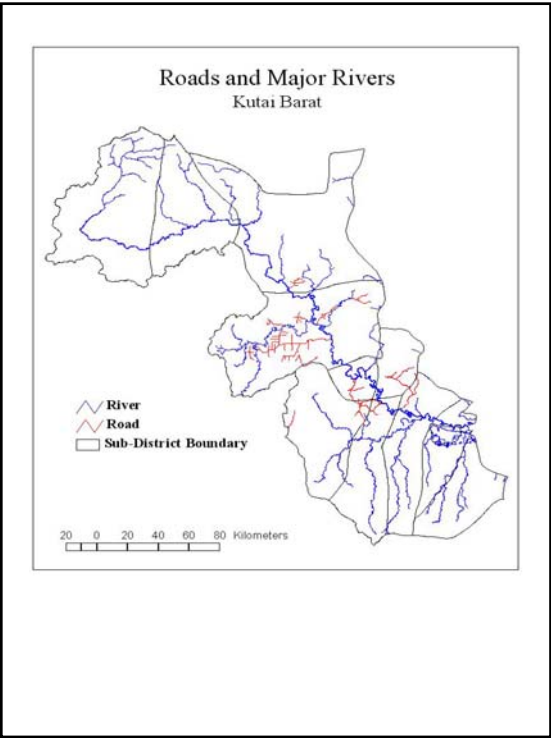
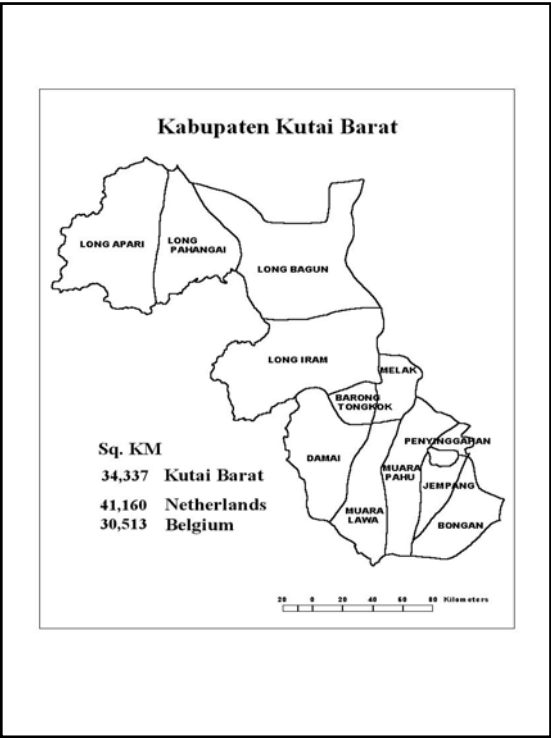
Evaluation

- Maps do not represent true conditions in the field
- Limited public involvement
 - Editing a report, not participating in a planning process
- Confused terminology
 - TGHK, Padu Serasi, Conversion Forest, Kawasan Hutan
- Inappropriate applications
 - Technology
 - Data
 - Analysis
- Unclear what authority spatial plans have in relation to maps and planning documents from other sectors

Why?

Constraints to Effective Spatial Planning

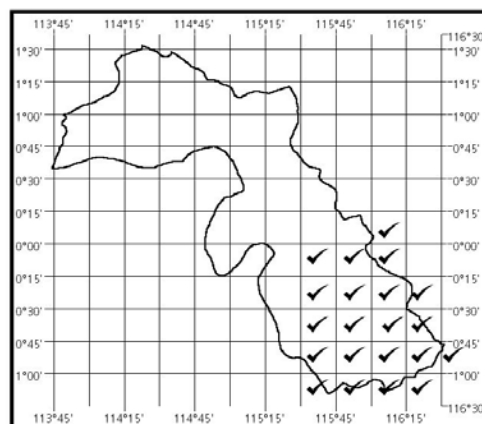
- Ill-defined scope and objectives
- Driven by data availability rather than information needs
- Size and inaccessibility of districts



Constraints to Effective Spatial Planning

- Insufficient resources
 - People, skills, equipment, supplies, money, time
- Incomplete and poor quality data sets

1:50,000 Peta Rupa Bumi Sheets Available for West Kutai



68% Not Mapped

Constraints to Effective Spatial Planning

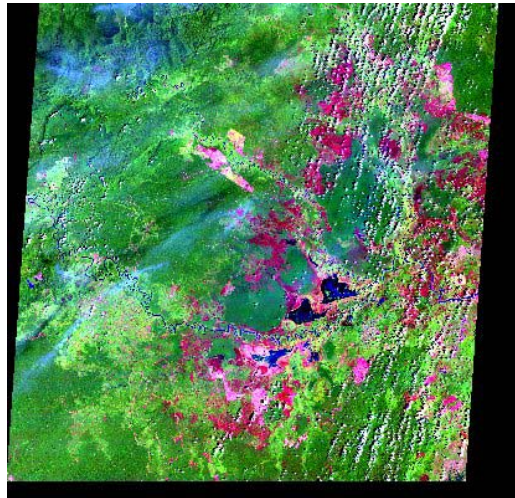
- Limited institutional capacity and an over-reliance on one institution – BAPPEDA
- Ineffective and insufficient participatory planning mechanisms

Fundamental Requirements

- Need for detailed definitions of scope and objectives of spatial planning at various levels
- Need to design and begin to implement long term Spatial Planning Capacity Development Programs (CDPs)
- Need for practical mechanisms to promote multi-stakeholder approach to spatial planning
- Need for long term program to improve quality of spatial data

How is NRM Helping?

- Supporting different efforts to improve quality and availability of spatial data
 - Participatory Mapping
 - Samarinda workshop in July 2000
 - Native Lands visit in Feb 2001
 - Land Cover Mapping Initiative
 - Land cover map of entire province
 - 1:50,000
 - Wide distribution
 - Satellite Imagery



How is NRM Helping?

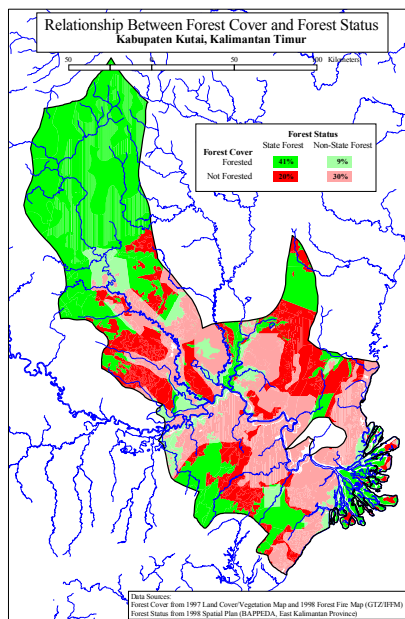
- Working with Kutai and Kutai Barat Districts to design Spatial Planning CDPs
 - Study tour to Dinas Tata Ruang in Bogor planned for February 2001
 - Guidelines

Design Considerations for a Spatial Planning CDP

- Long term scope and objectives of Spatial Planning
- Resource requirements
 - Human resources/technical skills
 - Equipment and facilities
 - Data and information
- Institutional roles and responsibilities
- Participatory planning mechanisms
- Funding

How is NRM Helping?

- Promoting use of maps to engage stakeholders in planning process
 - Raising issues
 - Documenting conflicts
 - Resolving conflicts?



Want to Know More?

- Opportunities for Developing Spatial Planning Capacity in East Kalimantan, August 2000
- The Role of Participatory Mapping in Spatial Planning, July 2000 workshop proceedings
- The Relationship Between Forest Cover and Forest Status, December 2000

Riverfront in Melak

